



PUBLIC NOTICE

Federal Communications Commission
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DA 11-305

February 17, 2011

WIRELESS TELECOMMUNICATIONS BUREAU GRANTS LOWER AND UPPER PAGING BANDS LICENSES

Auction 87

Report No. AUC-87 (Auction 87)

On August 6, 2010, the Federal Communications Commission completed an auction of licenses in the Lower and Upper Paging Bands (Auction 87).¹ After a preliminary review of the FCC long-form applications (FCC Form 601), the application listed in Attachment A to this Public Notice was accepted for filing.² Upon further review, we find that the application filed by PacifiCorp listed in Attachment A is complete and conforms to the Commission's rules. Furthermore, the Commission has received full payment, as required by section 1.2109(a) of its rules,³ for the licenses listed in Attachment A.

Accordingly, by this Public Notice, we announce the grant of the licenses listed in Attachment A.⁴ We grant these licenses pursuant to Section 309(a) of the Communications Act, 47 U.S.C. § 309(a), and section 0.331 of the Commission's rules, 47 C.F.R. § 0.331, because it will serve the public interest, convenience, and necessity.⁵

This Public Notice includes the following Attachments:

Attachment A: Application and Licenses the Wireless Telecommunications Bureau Is Granting.

¹ Auction of Lower and Upper Paging Bands Licenses Closes; Winning Bidders Announced for Auction 87, *Public Notice*, 25 FCC Rcd 18164 (WTB 2010).

² See Wireless Telecommunications Bureau Announces that Applications for Lower and Upper Paging Bands Licenses Are Accepted for Filing, *Public Notice*, 25 FCC Rcd 13229 (WTB 2010).

³ 47 C.F.R. § 1.2109(a).

⁴ On September 27, 2010, the State of Wyoming ("Wyoming") filed a petition to defer or condition action on PacifiCorp's pending Auction 87 application. On January 26, 2011, Wyoming filed a request for leave to withdraw its petition, stating that Wyoming and PacifiCorp had resolved the issues that caused Wyoming to file its petition. On February 7, 2011, Wyoming filed a declaration stating that neither it nor any subdivision had received or will receive, had paid or will pay, any money or other consideration, in exchange for requesting leave to withdraw its petition; on the same date, PacifiCorp affirmed that it had not received and would not receive, had not paid and would not pay, any money or other consideration, in exchange for requesting leave to withdraw the August 30, 2010, comments it filed against Wyoming's pending application. See File No. 0004366820, PacifiCorp Affidavit. We find that the submissions satisfy the requirements of section 1.935 of the Commission's rules, 47 C.F.R. § 1.935, and grant approval for the withdrawal of Wyoming's petition to defer or condition action on PacifiCorp's pending Auction 87 application.

⁵ We also grant PacifiCorp's request for a waiver of section 20.9(a)(6) of the Commission's rules to permit operation on a non-common carrier and/or private, internal basis.

Attachment B: Instructions for Searching for the Application Listed in Attachment A Using ULS.

Attachment C: Instructions for Searching for Granted Licenses Listed in Attachment A Using ULS.

Attachment D: Instructions for Accessing the FCC Network Using Windows 95/98/2000/XP.

Please contact Michael Connelly, Wireless Telecommunications Bureau, Mobility Division, at (202) 418-0132, for questions regarding legal matters and licensing issues.

- FCC -

ATTACHMENT A
UPPER AND LOWER PAGING BANDS
APPLICATIONS GRANTED
AUCTION ID: 87
SORTED BY: MARKET, CHANNEL BLOCK
DATE OF REPORT: FEBRUARY 17, 2011

Licensee Name	Market Code	Channel Block	File Number	Call Sign	Intent to Seek a Tribal Lands Bidding Credit
PacifiCorp	BEA141	FN	0004366820	WQNI734	N
PacifiCorp	BEA142	FA	0004366820	WQNI735	N
PacifiCorp	BEA142	FB	0004366820	WQNI736	N
PacifiCorp	BEA142	FC	0004366820	WQNI737	N
PacifiCorp	BEA142	FD	0004366820	WQNI738	N
PacifiCorp	BEA142	FE	0004366820	WQNI739	N
PacifiCorp	BEA142	FF	0004366820	WQNI740	N
PacifiCorp	BEA142	FG	0004366820	WQNI741	N
PacifiCorp	BEA142	FH	0004366820	WQNI742	N
PacifiCorp	BEA142	FI	0004366820	WQNI743	N
PacifiCorp	BEA142	FJ	0004366820	WQNI744	N
PacifiCorp	BEA142	FK	0004366820	WQNI745	N
PacifiCorp	BEA142	FL	0004366820	WQNI746	N
PacifiCorp	BEA142	FM	0004366820	WQNI747	N
PacifiCorp	BEA142	FN	0004366820	WQNI748	N
PacifiCorp	BEA142	FO	0004366820	WQNI749	N
PacifiCorp	BEA142	FP	0004366820	WQNI750	N
PacifiCorp	BEA142	FQ	0004366820	WQNI751	N
PacifiCorp	BEA142	FR	0004366820	WQNI752	N
PacifiCorp	BEA143	FA	0004366820	WQNI753	N
PacifiCorp	BEA143	FB	0004366820	WQNI754	N
PacifiCorp	BEA143	FC	0004366820	WQNI755	N
PacifiCorp	BEA143	FG	0004366820	WQNI756	N
PacifiCorp	BEA143	FH	0004366820	WQNI757	N
PacifiCorp	BEA143	FJ	0004366820	WQNI758	N
PacifiCorp	BEA143	FL	0004366820	WQNI759	N
PacifiCorp	BEA143	FM	0004366820	WQNI760	N
PacifiCorp	BEA143	FP	0004366820	WQNI761	N
PacifiCorp	BEA143	FR	0004366820	WQNI762	N
PacifiCorp	BEA144	FA	0004366820	WQNI763	N
PacifiCorp	BEA144	FB	0004366820	WQNI764	N
PacifiCorp	BEA144	FC	0004366820	WQNI765	N
PacifiCorp	BEA144	FD	0004366820	WQNI766	N
PacifiCorp	BEA144	FE	0004366820	WQNI767	N
PacifiCorp	BEA144	FF	0004366820	WQNI768	N
PacifiCorp	BEA144	FG	0004366820	WQNI769	N
PacifiCorp	BEA144	FH	0004366820	WQNI770	N
PacifiCorp	BEA144	FJ	0004366820	WQNI771	N
PacifiCorp	BEA144	FK	0004366820	WQNI772	N
PacifiCorp	BEA144	FL	0004366820	WQNI773	N
PacifiCorp	BEA144	FM	0004366820	WQNI774	N
PacifiCorp	BEA144	FN	0004366820	WQNI775	N
PacifiCorp	BEA144	FO	0004366820	WQNI776	N
PacifiCorp	BEA144	FP	0004366820	WQNI777	N

ATTACHMENT A
UPPER AND LOWER PAGING BANDS
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PacifiCorp	BEA144	FQ	0004366820	WQNI778	N
PacifiCorp	BEA144	FR	0004366820	WQNI779	N
PacifiCorp	BEA146	FA	0004366820	WQNI780	N
PacifiCorp	BEA146	FB	0004366820	WQNI781	N
PacifiCorp	BEA146	FC	0004366820	WQNI782	N
PacifiCorp	BEA146	FD	0004366820	WQNI783	N
PacifiCorp	BEA146	FE	0004366820	WQNI784	N
PacifiCorp	BEA146	FF	0004366820	WQNI785	N
PacifiCorp	BEA146	FG	0004366820	WQNI786	N
PacifiCorp	BEA146	FH	0004366820	WQNI787	N
PacifiCorp	BEA146	FJ	0004366820	WQNI788	N
PacifiCorp	BEA146	FK	0004366820	WQNI789	N
PacifiCorp	BEA146	FL	0004366820	WQNI790	N
PacifiCorp	BEA146	FM	0004366820	WQNI791	N
PacifiCorp	BEA146	FN	0004366820	WQNI792	N
PacifiCorp	BEA146	FO	0004366820	WQNI793	N
PacifiCorp	BEA146	FP	0004366820	WQNI794	N
PacifiCorp	BEA146	FQ	0004366820	WQNI795	N
PacifiCorp	BEA146	FR	0004366820	WQNI796	N
PacifiCorp	BEA147	FB	0004366820	WQNI797	N
PacifiCorp	BEA147	FC	0004366820	WQNI798	N
PacifiCorp	BEA147	FD	0004366820	WQNI799	N
PacifiCorp	BEA147	FI	0004366820	WQNI800	N
PacifiCorp	BEA147	FK	0004366820	WQNI801	N
PacifiCorp	BEA147	FL	0004366820	WQNI802	N
PacifiCorp	BEA147	FO	0004366820	WQNI803	N
PacifiCorp	BEA147	FR	0004366820	WQNI804	N
PacifiCorp	BEA148	FN	0004366820	WQNI805	N
PacifiCorp	BEA149	FA	0004366820	WQNI806	N
PacifiCorp	BEA149	FC	0004366820	WQNI807	N
PacifiCorp	BEA149	FE	0004366820	WQNI808	N
PacifiCorp	BEA149	FH	0004366820	WQNI809	N
PacifiCorp	BEA149	FI	0004366820	WQNI810	N
PacifiCorp	BEA149	FJ	0004366820	WQNI811	N
PacifiCorp	BEA149	FK	0004366820	WQNI812	N
PacifiCorp	BEA149	FM	0004366820	WQNI813	N
PacifiCorp	BEA149	FO	0004366820	WQNI814	N
PacifiCorp	BEA149	FP	0004366820	WQNI815	N
PacifiCorp	BEA149	FQ	0004366820	WQNI816	N
PacifiCorp	BEA150	FB	0004366820	WQNI817	N
PacifiCorp	BEA150	FC	0004366820	WQNI818	N
PacifiCorp	BEA150	FP	0004366820	WQNI819	N
PacifiCorp	BEA150	FR	0004366820	WQNI820	N
PacifiCorp	BEA152	FA	0004366820	WQNI821	N
PacifiCorp	BEA152	FB	0004366820	WQNI822	N
PacifiCorp	BEA152	FD	0004366820	WQNI823	N
PacifiCorp	BEA152	FE	0004366820	WQNI824	N

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PacifiCorp	BEA152	FF	0004366820	WQNI825	N
PacifiCorp	BEA152	FG	0004366820	WQNI826	N
PacifiCorp	BEA152	FH	0004366820	WQNI827	N
PacifiCorp	BEA152	FI	0004366820	WQNI828	N
PacifiCorp	BEA152	FJ	0004366820	WQNI829	N
PacifiCorp	BEA152	FM	0004366820	WQNI830	N
PacifiCorp	BEA152	FN	0004366820	WQNI831	N
PacifiCorp	BEA152	FQ	0004366820	WQNI832	N
PacifiCorp	BEA152	FR	0004366820	WQNI833	N
PacifiCorp	BEA154	FG	0004366820	WQNI834	N
PacifiCorp	BEA154	FJ	0004366820	WQNI835	N
PacifiCorp	BEA155	FG	0004366820	WQNI836	N
PacifiCorp	BEA155	FO	0004366820	WQNI837	N
PacifiCorp	BEA165	FF	0004366820	WQNI838	N
PacifiCorp	BEA142	EA	0004366820	WQNI839	N
PacifiCorp	BEA142	EB	0004366820	WQNI840	N
PacifiCorp	BEA142	EC	0004366820	WQNI841	N
PacifiCorp	BEA142	ED	0004366820	WQNI842	N
PacifiCorp	BEA144	EA	0004366820	WQNI843	N
PacifiCorp	BEA144	EB	0004366820	WQNI844	N
PacifiCorp	BEA144	EC	0004366820	WQNI845	N
PacifiCorp	BEA144	ED	0004366820	WQNI846	N
PacifiCorp	BEA147	EB	0004366820	WQNI847	N
PacifiCorp	BEA147	EC	0004366820	WQNI848	N
PacifiCorp	BEA148	EB	0004366820	WQNI849	N
PacifiCorp	BEA148	ED	0004366820	WQNI850	N
PacifiCorp	BEA149	EB	0004366820	WQNI851	N
PacifiCorp	BEA149	ED	0004366820	WQNI852	N
PacifiCorp	BEA150	EB	0004366820	WQNI853	N
PacifiCorp	BEA150	EC	0004366820	WQNI854	N
PacifiCorp	BEA150	ED	0004366820	WQNI855	N
PacifiCorp	BEA152	EA	0004366820	WQNI856	N
PacifiCorp	BEA152	EB	0004366820	WQNI857	N
PacifiCorp	BEA152	EC	0004366820	WQNI858	N
PacifiCorp	BEA152	ED	0004366820	WQNI859	N
PacifiCorp	BEA154	EA	0004366820	WQNI860	N
PacifiCorp	BEA154	ED	0004366820	WQNI861	N
PacifiCorp	BEA163	EA	0004366820	WQNI862	N
PacifiCorp	BEA165	ED	0004366820	WQNI863	N
PacifiCorp	BEA166	EB	0004366820	WQNI864	N
PacifiCorp	BEA167	EA	0004366820	WQNI865	N
PacifiCorp	BEA167	ED	0004366820	WQNI866	N
PacifiCorp	BEA168	EA	0004366820	WQNI867	N
PacifiCorp	BEA168	EB	0004366820	WQNI868	N
PacifiCorp	BEA168	EC	0004366820	WQNI869	N
PacifiCorp	BEA168	ED	0004366820	WQNI870	N
PacifiCorp	BEA169	EA	0004366820	WQNI871	N

ATTACHMENT A
UPPER AND LOWER PAGING BANDS
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PacifiCorp	BEA169	ED	0004366820	WQNI872	N
PacifiCorp	BEA170	ED	0004366820	WQNI873	N
PacifiCorp	BEA143	GR	0004366820	WQNI874	N
PacifiCorp	BEA144	GW	0004366820	WQNI875	N
PacifiCorp	BEA144	GX	0004366820	WQNI876	N
PacifiCorp	BEA144	GY	0004366820	WQNI877	N
PacifiCorp	BEA144	GZ	0004366820	WQNI878	N
PacifiCorp	BEA146	GY	0004366820	WQNI879	N
PacifiCorp	BEA147	GZ	0004366820	WQNI880	N
PacifiCorp	BEA148	GG	0004366820	WQNI881	N
PacifiCorp	BEA149	GT	0004366820	WQNI882	N
PacifiCorp	BEA149	GX	0004366820	WQNI883	N
PacifiCorp	BEA152	GT	0004366820	WQNI884	N
PacifiCorp	BEA152	GU	0004366820	WQNI885	N
PacifiCorp	BEA153	GS	0004366820	WQNI886	N
PacifiCorp	BEA153	GT	0004366820	WQNI887	N
PacifiCorp	BEA168	GB	0004366820	WQNI888	N
PacifiCorp	BEA168	GC	0004366820	WQNI889	N
PacifiCorp	BEA168	GD	0004366820	WQNI890	N
PacifiCorp	BEA168	GE	0004366820	WQNI891	N
PacifiCorp	BEA168	GX	0004366820	WQNI892	N
PacifiCorp	BEA168	GY	0004366820	WQNI893	N
PacifiCorp	BEA168	GZ	0004366820	WQNI894	N
PacifiCorp	BEA169	GA	0004366820	WQNI895	N
PacifiCorp	BEA169	GC	0004366820	WQNI896	N
PacifiCorp	BEA169	GD	0004366820	WQNI897	N
PacifiCorp	BEA169	GZ	0004366820	WQNI898	N

Attachment B

SEARCH INSTRUCTIONS FOR LOWER AND UPPER PAGING BANDS LICENSE APPLICATIONS

This attachment provides instructions for electronically searching the FCC Network for a specific application or applications on file with the Commission. The following instructions relate specifically to searching for applications filed in response to Auction 87.

To search the FCC Network for an application, you must first connect to the FCC Network. Attachment C describes how Windows 95/98/2000/XP users can connect to the FCC Network using the Dial-Up Networking features of Windows 95/98/2000/XP.

We recommend that you use Netscape Communicator 8.1 or higher, or Internet Explorer 6.0 or higher (Internet web browser software) to use ULS for application searches. To download the latest versions of Netscape Communicator or Internet Explorer free of charge, access the Netscape download site at <http://home.netscape.com/download/>, or the Microsoft Internet Explorer download site at: <http://www.microsoft.com/windows/ie/downloads/default.asp>.

Conventions

The instructions in this attachment use the following typographic conventions:

- | | |
|---------------------------|--|
| bold | Represents objects on the screen that you click with the mouse pointer, including buttons, Internet links, icon, tabs, menu items (e.g., Cancel button, Auctions link, Save option in the File menu). |
| <i>italic</i> | Represents field names or areas of a screen (e.g., <i>Licensee Name</i> field, <i>Applicant Information</i> area of a screen). |
| <i>bold italic</i> | Represents characters that you must type exactly as they appear in the instructions. For example, if you are instructed to type <i>http://www.fcc.gov</i> , you should type all of the characters shown in bold italic exactly as they are printed. |
| SMALL CAPS | Represents keys on the keyboard (e.g., ENTER, CTRL, ESC). |

Note: Throughout these instructions, “enter” means to type the appropriate information and then press the ENTER key.

Performing an Application Search

Once you have connected to the FCC Network, follow the procedures below to search for an application. *You may click the ? (Help) button at any time for additional information on using Application Search.*

1. Connect to the FCC Network using one of the following options:

Note: *If your PC is connected to a network, you must use a secure proxy to access the FCC Network. Consult your Network Administrator.*

Dial-Up Access

- a. Use Dial-Up Networking in Windows 95/98/2000/XP to connect to the FCC Network (see Attachment D).
- b. Start your web browser. In the location field of the web browser screen, type ***http://wtbwww05.fcc.gov***. Then press the ENTER key.

Internet Access

- a. Start your web browser and connect to the Internet using your Internet Service Provider.
 - b. In the location field of the web browser screen, type ***http://wireless.fcc.gov/uls/***. Then press the ENTER key.
2. Verify that Java and JavaScript are enabled in your web browser preferences. Additionally, the preferences must specify “Accept all cookies.” Refer to your web browser Help facility for more information.
 3. On the Universal Licensing System main page, click the **Applications** button, located in the center of the page.
 4. For a quick search, use the drop down list in the center *License Search* box to search by a specific Call Sign, FRN or Licensee Name. You can choose the Advance Search option to search by various criteria.

You can conduct an *Advanced Application Search* to specify search options by Applicant State, ZIP, and Name; Dates (Receipt, Action, etc.); Application Status; Application Purpose; and more.

Also shown are the options for various Non-Auction service specific searches: Aircraft, Amateur, Commercial/Restricted Permits, GMRS and Ship.

You have the option to conduct a *Specialized Search* with the following options:

- Select **Market Based** to search only for licenses associated with an FCC Auction.
- Select **Site Based** to search only for site-based licenses.
- Select **Frequency** to search for Wireless licenses based on a single frequency or frequency ranges.
- Select **Facility ID** to search by facility identification number.
- Select **Geographic** to search by coordinates, county/state, address, and frequency information.
- Select **Link Registration ID** to search by the link registration identification number.
- Select **NG Number** to search by the Interdepartment Radio Advisory Committee (IRAC) coordination number.
- Select **Transfers and Assignment Search** to search by Assignment information, transfer information, date information and more.
- Select **Ownership Search** to search Ownership Disclosure Filings by Filing Type, Filing Status and more.

5. The appropriate Application Search screen appears. This screen contains several data entry fields used for specifying the criteria for your application search. Specify the search criteria necessary to locate the desired application. Please refer to the following “Basic Guidelines for Specifying Search Criteria” for more information.

If you are searching for an application filed for Auction 87, click **87** in the *Auction ID* field.

Basic Guidelines for Specifying Search Criteria:

- You must specify search criteria in at least one field. You do not have to specify search criteria in all of the search fields. Enter search criteria into as many fields as you wish.
- To specify search criteria in a search field containing a menu of options, click the desired option from the menu. Use the scroll bars to view all options in a menu. You can select multiple options from a menu by pressing the CTRL key while you click the menu options.

- Click the **Reset** button to undo a menu selection and search for all options in the menu.
- Click the **Clear** button to reset entries in all of the search fields.

*Click the ? **Help** button for a definition of each search field available on the Application Search screen.*

6. After you have specified the desired search criteria, click the **Search** button. The system will scan the database for any applications matching the search criteria. The matching application files will be listed on the Search Results screen. The Search Results screen will identify the file number, licensee name, application purpose, application status, radio service code, and receipt date for each application returned in the query.

A message on the Search Results screen will indicate if no matches were found for the specified search criteria. Click the **New Search** button and re-specify search criteria.

7. To view an application, click its file number link. To navigate through the data on the Application screen, use the scroll bar or click the links at the top of the screen. *Click the ? **Help** button for information regarding specific functions available on this screen.*
 - To re-access the Search Results screen, click **Return to Results** at the top of the screen.
 - To begin a new search, click **New Search** at the top of the screen.

Technical Support

For technical assistance in searching the ULS for applications, contact the FCC Technical Support Hotline at (202) 414-1250 (voice) or (202) 414-1255 (TTY). The FCC Technical Support Hotline is generally available Monday through Friday, from 8 a.m. to 6 p.m. EST. All calls to the FCC Technical Support Hotline are recorded.

Attachment C

SEARCH INSTRUCTIONS FOR GRANTED LOWER AND UPPER PAGING BANDS LICENSES AUCTION 87

Following are instructions for electronically searching the FCC Network for a specific license or licenses on file with the Commission. The following instructions relate specifically to searching for granted licenses associated with Auction 87.

To search the FCC Network for an application, you must first connect to the FCC Network. Attachment D describes how Windows 95/98/2000/XP users can connect to the FCC Network using the Dial-Up Networking features of Windows 95/98/2000/XP.

We recommend that you use Netscape Communicator 8.1 or higher, or Internet Explorer 6.0 or higher (Internet web browser software) to use ULS for license searches. To download the latest versions of Netscape Communicator or Internet Explorer free of charge, access the Netscape download site at [*http://home.netscape.com/download/*](http://home.netscape.com/download/), or the Microsoft Internet Explorer download site at: [*http://www.microsoft.com/windows/ie/downloads/default.asp*](http://www.microsoft.com/windows/ie/downloads/default.asp).

Conventions

The instructions in this attachment use the following typographic conventions:

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| bold | Represents objects on the screen that you click with the mouse pointer, including buttons, Internet links, icon, tabs, menu items (e.g., Cancel button, Auctions link, Save option in the File menu). |
| <i>italic</i> | Represents field names or areas of a screen (e.g., <i>Licensee Name</i> field, <i>Applicant Information</i> area of a screen). |
| <i>bold italic</i> | Represents characters that you must type exactly as they appear in the instructions. For example, if you are instructed to type <i>http://www.fcc.gov</i> , you should type all of the characters shown in bold italic exactly as they are printed. |
| SMALL CAPS | Capital letters (in Roman without italics or bold lettering) inside French quotes indicate specific keys on the keyboard (e.g., «ENTER,» «CTRL,» «ESC»). |

Performing a License Search

Once you have connected to the FCC Network, follow the procedures below to search for a license. *You may click the ? (Help) button at anytime for additional information on using License Search.*

1. Connect to the FCC Network using one of the following options:

***Note:** If your PC is connected to a network, you must use a secure proxy to access the FCC Network. Consult your Network Administrator.*

Dial-Up Access

- a. Use Dial-Up Networking in Windows 95/98/2000/XP to connect to the FCC Network (see Attachment D).
- b. Start your web browser. In the location field of the web browser screen, type ***http://wtbwww05.fcc.gov***. Then press the ENTER key.

Internet Access

- a. Start your web browser and connect to the Internet using your Internet Service Provider.
 - b. In the location field of the web browser screen, type ***http://www.fcc.gov/wtb/uls***. Then press the ENTER key.
2. Verify that Java and JavaScript are enabled in your web browser preferences. Additionally, the preferences must specify "Accept all cookies." Refer to your web browser Help facility for more information.
 3. On the Universal Licensing System main page, click the **License Search** button, located on the left side of the page.

***Note:** License Search utilizes "cookies". If you are receiving a notification message when accepting a cookie, we recommend that you disable this message in your web browser options. Please consult your web browser Help facility for more information.*

4. Select the type of search by clicking the down arrow in the *Select Search Type* field to obtain a menu containing the following options:

Select **General** to search for all licenses.

Select **Market Based** to search only for licenses associated with an FCC Auction.

Select **Site Based** to search only for site-based licenses.

Select **Frequency** to search for Wireless licenses based on a single frequency or frequency ranges.

Click the desired option from the menu and click the **Continue** button.

5. The License Search screen appears. This screen contains several data entry fields used for specifying the criteria for your license search. On the License Search screen, specify the search criteria necessary to locate the desired license. Please refer to the following “Basic Guidelines for Specifying Search Criteria” for more information.

Basic Guidelines for Specifying Search Criteria:

You must specify search criteria in at least one field. You do not have to specify search criteria in all of the search fields. Enter search criteria in as many fields as you wish.

To specify search criteria in a search field containing a menu of options, click the desired option from the menu. Use the scroll bars to view all options in a menu. You can select multiple options from a menu by pressing the CTRL key while you click the menu options.

Click **<No Criteria>** to undo a menu selection and search for all options in the menu.

Click the **Clear** button to clear entries from all of the search fields.

The Universal Licensing System restricts the number of rows returned in a license search to 3000. In such instances, you must enter more specific search criteria to reduce the number of rows returned.

Click the ? (Help) button for a definition of each search field available on the License Search screen.

6. After you have specified the desired search criteria, click the **Search** button. The system will scan the database for any licenses matching the search criteria. The matching license files will be listed on the Search Results screen. The Search Results screen will identify the call sign, licensee name, radio service code, market, and licensee ID for each license returned in the query.

A message on the Search Results screen will indicate if no matches were found for the specified search criteria. Click the **New Search** button and re-specify search criteria.

7. To view a license, click its call sign underlined link. To navigate through the data on the License screen, use the scroll bar or click the links at the top of the screen. *Click the ? (Help) button for information regarding specific functions available on this screen.*

To re-access the Search Results screen, click the down arrow in the *Other Options* field

to obtain the drop-down menu of options. Click **Search Results** from the *Other Options* menu and then click the **Go** button.

To access additional information about the license (such as special conditions, associated applications, and locations), click the down arrow in the *License Options* field to obtain the drop-down menu of options. Click the desired selection from the menu then click the **Go** button.

To begin a new search, click the down arrow in the *Other Options* field to obtain the drop-down menu of options. Click **New Search** from the *Other Options* menu and then click the **Go** button.

Technical Support

For technical assistance in searching the ULS for applications and licenses, contact the FCC Technical Support Hotline at (202) 414-1250. The FCC Technical Support Hotline generally will be available Monday through Friday, from 8 a.m. to 6 p.m. EST. *All calls to the FCC Technical Support Hotline are recorded.*

Attachment D

USING DIAL-UP NETWORKING IN WINDOWS 95/98/2000/XP FOR ULS FILING

This attachment describes how to use Windows 95/98/2000/XP Dial-Up Networking to establish a direct connection from your PC to the FCC Network and the Universal Licensing System (ULS) in order to file or review the Form 601. *This point-to-point connection is not routed through the Internet.*

This direct dial-up connection is **NOT** required to perform ULS online filing. You may file or review Form 601 on the Internet by entering ***http://wireless.fcc.gov/uls*** in your Web browser's address/location bar and clicking the **Online Filing** button on the ULS homepage.

Conventions

The instructions in this section use the following typographical conventions:

bold Represents objects on the screen that you click with the mouse pointer, including buttons, Internet links, icons, tabs, menu items (e.g., **Cancel** button, **Auctions** link, **Save** option in the File menu).

italic Represents field names or areas of a screen (e.g., *Applicant* field, *Selected Licenses* area of a screen).

bold italic Represents characters that you must type exactly as they appear in the instructions. For example, if you are instructed to type ***http://wireless.fcc.gov/uls***, you should type all of the characters shown in bold italic exactly as they are printed.

SMALL CAPS Represents keys on the keyboard (e.g., ENTER, CTRL, ESC).

Note: Throughout these instructions, “enter” means to type the appropriate information and then press the ENTER key.

Hardware and Software Requirements

Connecting to the FCC Network using Windows 95/98/2000/XP Dial-Up Networking requires *at a minimum* the following hardware and software:

Hardware Requirements

- CPU: Pentium 133 or above
- RAM: 32 MB (more recommended if you have multiple applications open)
- Monitor: VGA or above
- Modem: 28.8 Kbps, Hayes-compatible or faster (recommend 56.6 Kbps)
- Mouse or other pointing device

Software Requirements

- Web browser software is required. You may use Netscape Communicator (v. 4.5, 4.51, 4.61, 4.7x) or Internet Explorer (v. 5.5 or later) browser software to electronically register and file FCC Form 601 through ULS. You can download Netscape Communicator free of charge by accessing the Netscape download site at <http://home.netscape.com/download/archive.html>. You may also download Internet Explorer at <http://www.microsoft.com/windows/ie/downloads/default.asp>.

- Microsoft Windows 95/98/2000/XP

Note: If you are running Windows in a networked environment, check with your local network administrator for any potential conflicts with Windows 95/98/2000/XP Dial-Up Networking. This usually includes any TCP/IP installed network protocol.

- Adobe Acrobat 4.0 Reader (or higher) is recommended as a plug-in to your browser. This provides a viewer for displaying files related to applications, such as attachments and exhibits. For best results, install the plug-in after you have installed the desired web browser. This will allow the plug-in to be fully integrated within the browser window.

To download Adobe Acrobat version 4.0 or higher, access the Acrobat download site at <http://www.adobe.com/support/downloads/main.html>.

Configuring Dial-Up Networking

1. To start dial-up networking in **Windows 95/98**:
 - a. Click the Windows 95/98 **Start** button.
 - b. Click the **Programs** option to display the Programs menu.
 - c. Click the **Accessories** option to display the Accessories menu.
 - d. In Windows 95, click **Dial-Up Networking**.
In Windows 98, click **Communications**, then **Dial-Up Networking**.

If Dial-Up Networking is not an option on your Accessories menu, you should install it from your Windows 95/98 CD or diskettes.

To start dial-up networking in **Windows XP** follow the steps below.

- a. Click the **Start** button.
- b. Click the **Programs** option to display the Programs menu.
- c. Click the **Accessories** option to display the Accessories menu.
- d. Click **Communications**
- e. Click **New Connection Wizard**.
- f. Click **Connect to the Network at My Workplace**.
- g. Click **Dial-Up Connection**.
- h. Specify connection name by entering the name of the dial-up location in the *Company Name* field, e.g. "FCC Dial-Up Connection."
- i. Enter dial-up phone number, 1-800-844-2784.
- j. Select Connection Availability:
 Anyone's use
 My use only

To start dial-up networking in **Windows 2000**, the user must be logged in as an "administrator." Follow these steps:

- a. Click the **Start** button.
- b. Click **Settings**.
- c. Click on the **Network** icon.
- d. Click on **Dial-up Connections**.

NOTE: You must have administrative rights in Windows 2000 or XP to set up dial-up networking.

2. When the Dial-Up Networking window appears, double-click the **Make New Connection** icon.

The Make New Connection window appears.

3. In the field entitled *Type a name for the computer you are dialing*, type **ULS at FCC**.
4. In Windows 95, click the down arrow at the right of the *Select a modem* field and select your modem from the menu of available modems.

In Windows 98, click the down arrow at the right of the *Select a device* field and select your modem from the menu of available devices.

If your modem does not appear on this list, you must install your modem driver according to the modem manufacturer installation procedures, which are usually described in your modem's user manual.

5. Click the **Configure** button. Click the **Options** tab at the top of the Properties window.
6. In the *Connection control* area of the **Options** tab, verify that *neither* option is selected. If either option is selected, click the check box at the left of the option to deselect it. Then click the **OK** button.
7. Click the **Next** button.
8. Type **800** in the *Area Code* field and **844-2784** in the *Telephone Number* field. Verify that the correct country is selected in the *Country code* field. If necessary, click the down arrow at the right of the *Country code* field, and select the appropriate country from the menu of available countries.
9. Click the **Next** button.
10. Click the **Finish** button. An icon titled **ULS at FCC** appears in the **Dial-Up Networking window**.
11. Verify that properties are configured correctly before attempting a dial-up session. Position the mouse pointer on the **ULS at FCC** icon and click the *right* mouse button to display a menu. Select **Properties** from the menu.
12. Click the **Server Types** tab at the top of the Properties window.
13. In the *Advanced Options* area, verify that only *Enable software compression* is selected.

If it is not selected, click the check box at the left of the option to select it. If either of the other options is selected, click the check box to deselect it.
14. In the *Allowed Network Protocols* area, verify that only *TCP/IP* is selected.

If it is not selected, click the check box at the left of the option to select it. If either of the other options is selected, click the check box to deselect it.
15. Click the **TCP/IP Settings** button. In the **TCP/IP Settings** window, confirm that the *Server assigned IP address* option is selected. Then, in the section beneath, select *Specify name server addresses*.

16. Type **192.104.54.1** as the *Primary DNS*.

Make sure that these two options are checked:
 - Use IP header compression
 - Use default gateway or remote network
17. Click **OK** on the **TCP/IP Settings** window and the **Server Type** window.
18.
 - a. Click the Windows 95/98 **Start** button, then click the **Settings** option to display the Settings menu.
 - b. Click **Control Panel** and then double-click the **Network** icon.
 - c. In the *Configuration* tab of the **Network** window, select *TCP/IP* and click the **Properties** button. (If there are multiple TCP/IP protocols, select *TCP/IP*, then highlight *Dial-Up Adapter* and click **Properties**.)
 - d. Click the *DNS Configuration* tab.
 - e. Select *Enable DNS*. Type **bidder** in the *Host* box, type **fcc.gov** in the *Domain* box, then type **192.104.54.1** in the DNS Server Search Order box and click the **Add** button.
 - f. Click **OK** on the TCP/IP Properties windows, then click **OK** on the **Network** window.
 - g. If you are prompted to restart your computer, click **Yes** to restart, then begin the Dial-Up Procedure.

Dial-Up Procedure

1. If the Dial-Up Networking window is not currently open, do the following:
 - a. Click the Windows 95/98 **Start** button.
 - b. Click the **Programs** option to display the Programs menu.
 - c. Click the **Accessories** option to display the Accessories menu.
 - d. In Windows 95, click **Dial-Up Networking**
In Windows 98, click **Communications**, then **Dial-Up Networking**.

The Dial-Up Networking window appears.

2. Double-click the **ULS at FCC** icon in the Dial-Up Networking window.
3. Click the **Connect** button on the window. *Do not enter User name and Password.*

The Connecting window appears, indicating the status of your connection as your modem dials into the system. This window must remain running during your dial-up session. You may minimize the window, if you wish.

If your modem fails to establish a connection, please see the *Troubleshooting* section below.

4. Once the connection is established, open your Web browser.
5. In your browser's location field, enter ***http://wireless.fcc.gov/uls/***

If nothing appears in your Web browser, see the *Troubleshooting* section below.

6. When you have finished, exit the Web browser, then click the **Disconnect** button on the Connecting window to end your dial-up session.

Troubleshooting

Following are problems you may encounter and possible solutions for resolving or isolating them.

Modem does not respond

1. Confirm that all physical connections for the modem are present.
2. Confirm that the phone line is active by connecting it to a telephone and checking for a dial tone.
3. Confirm that the correct modem driver is installed for your modem.

Modem dials but does not connect

1. Confirm that the number the modem is dialing is correct.
2. Confirm that the modem prefix, if any, is correct.

Modem dials and connects, but nothing appears when you enter the location in the Web browser

1. Check the settings in your dial-up networking icon, particularly that the *Primary DNS* is ***192.104.54.1*** and that *TCP/IP* is the only selected protocol.
2. Confirm that your Web browser is not using proxies; it should be set to "direct connection to the Internet."
3. If you do log into a TCP/IP LAN, confirm that your LAN network IP address is being released.

To do so, connect to the FCC Network using dial-up networking, then click the **Start** button in Windows 95/98 and select **Run**. Type ***winipcfg*** and press **OK**. If your IP address does not begin with "192.104.", then your LAN IP address is not being released. Click the **Release All** button, or consult your LAN administrator.

Receive an Internal Server error in the Web browser

1. Confirm that the address entered in the location field is correct (***<http://www.fcc.gov/wtb/uls>***).
2. Confirm that *Java* and *JavaScript* are enabled in your Web browser, and confirm that *Cookies* is set to Accept All.

Help

For technical assistance with installing or using FCC software, contact the FCC Technical Support Hotline at (202)-414-1250 (voice) or (202) 414-1255 (TTY). The FCC Technical Support Hotline is available Monday through Friday from 8 a.m. to 6 p.m. Eastern Time. There are no weekend hours and the hotline is closed all Federal holidays. All calls to the FCC Technical Support Hotline are recorded.